

BAKER BOTTS LLP



RCE #  
09/30/04

IFA  
+

**REQUEST  
FOR  
CONTINUED EXAMINATION (RCE)  
TRANSMITTAL**

Subsection (b) of 35 U.S.C. § 132, effective on May 29, 2000,  
provides for continued examination of an utility or plant application  
filed on or after June 8, 1995.  
See The American Inventors Protection Act of 1999 (AIPA).

|                        |                    |
|------------------------|--------------------|
| Application Number     | 09/870,447         |
| Filing Date            | June 1, 2001       |
| First Named Inventor   | Brian Boles et al. |
| Group Art Unit         | 2111               |
| Examiner Name          | Thomas J. Cleary   |
| Attorney Docket Number | 068354.1471        |

This is a Request for Continued Examination (RCE) under 37 C.F.R. § 1.114 of the above-identified application.

**NOTE:** 37 C.F.R. § 1.114 is effective on May 29, 2000. If the above-identified application was filed prior to May 29, 2000, applicant may wish to consider filing a continued prosecution application (CPA) under 37 C.F.R. § 1.53 (d) (PTO/SB/29) instead of a RCE to be eligible for the patent term adjustment provisions of the AIPA. See Changes to Application Examination and Provisional Application Practice, Final Rule, 65 Fed. Reg. 50092 (Aug. 16, 2000); Interim Rule, 65 Fed. Reg. 14865 (Mar. 20, 2000), 1233 Off. Gaz. Pat. Office 47 (Apr. 11, 2000), which established RCE practice.

**1. Submission required under 37 C.F.R. § 1.114**

- a. ☐ Previously submitted
- i. ☐ Consider the amendment(s)/reply under 37 C.F.R. § 1.116 previously filed on \_\_\_\_\_  
(Any unentered amendment(s) referred to above will be entered).
- ii. ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on \_\_\_\_\_
- iii. ☐ Other \_\_\_\_\_
- b. ☒ Enclosed
- i. ☐ Amendment/Reply 10/01/2004 MAHMED1 00000039 502148 09870447  
01 FC:1801 660.00 DA 110.00 DP
- ii. ☐ Affidavit(s)/Declaration(s) 10/01/2004 MAHMED1 00000039 502148 09870447
- iii. ☒ Information Disclosure Statement (IDS) 02 FC:1251 110.00 DA
- iv. ☒ Other PTO Form 1449 (w/references on CD-ROM)

**2. Miscellaneous**

- a. ☐ Suspension of action on the above-identified application is requested under 37 C.F.R. § 1.103(c) for a period of \_\_\_\_\_ months. (Period of suspension shall not exceed 3 months; Fee under 37 C.F.R. § 1.17(i) required)
- b. ☒ Other Revocation and Power of Attorney

**3. Fees** The RCE fee under 37 C.F.R. § 1.17(e) is required by 37 C.F.R. § 1.114 when the RCE is filed.

- a. ☒ The Director is hereby authorized to charge the following fees, or credit any overpayments, to Deposit Account No. 50-2148
- i. ☐ RCE fee required under 37 C.F.R. § 1.17(e)
- ii. ☐ Extension of time fee (37 C.F.R. §§ 1.136 and 1.117)
- iii. ☒ Other Any additional charges under 37 CFR 1.16 and 1.117
- b. ☒ Check in the amount of \$ 110.00 enclosed
- c. ☐ Payment by credit card (Form PTO-2038 enclosed)

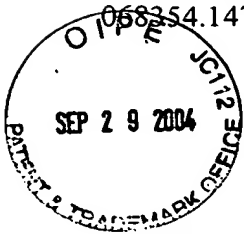
**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED**

|                   |                  |                                   |           |
|-------------------|------------------|-----------------------------------|-----------|
| Name (Print/Type) | Bruce W. Slayden | Registration No. (Attorney/Agent) | 33,790    |
| Signature         |                  | Date                              | 9/29/2004 |

**CERTIFICATE OF MAILING OR TRANSMISSION**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as express mail in an envelope addressed to: Commissioner For Patents, Mail Stop- RCE, P.O. Box 1450, Alexandria, VA 22313-1450, on 9/29/04  
Express Mail No. EV 3512 8822 745

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|-------------------|---------------|------|---------|
| Name (Print/Type) | Angela Loding | Date | 9/29/04 |
| Signature         |               |      |         |




IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Brian Boles et al.  
Serial No.: 09/870,447  
Filing Date: June 1, 2001  
Group Art Unit: 2111  
Examiner: Thomas J. Cleary  
Title: *VARIABLE CYCLE INTERRUPT DISABLING*

Mail Stop RCE  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

I hereby certify that this Information Disclosure Statement is being deposited with the United States Postal Service as Express Mail EV351288227US addressed to: Mail Stop RCE, Commissioner of Patents, Alexandria, VA 22313-1450, on the date shown below.

  
Angela Loding  
9-29-04  
Date

Dear Sir:

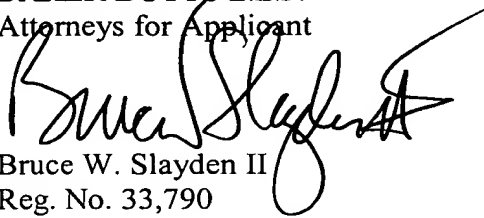
**INFORMATION DISCLOSURE STATEMENT**

Applicant respectfully requests, pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, that the references listed on the attached PTO-1449 form be considered and cited in the examination of the above-identified application. Copies of the references are enclosed on the attached CD-Rom for the convenience of the Examiner. Furthermore, pursuant to 37 C.F.R. §§1.97 (g) and (h), no representation is made that these references are material to the patentability of the present application.

Applicant believes no fees are due with this filing, however, the Commissioner is hereby authorized to charge any fees to Deposit Account No. 50-2148 of Baker Botts L.L.P. in order to effectuate this filing.

Respectfully submitted,

BAKER BOTTS L.L.P.  
Attorneys for Applicant



Bruce W. Slayden II  
Reg. No. 33,790

Date: September 27, 2004

Correspondence Address:

Customer Number **31625**

512.322.2606

512.322.8306 (Fax)

|  |                               |                                    |                             |
|--|-------------------------------|------------------------------------|-----------------------------|
| PTO-1449<br><b>Information Disclosure Citation<br/>in an Application</b> | Application No.<br>09/870,447 | Applicant(s)<br>Brian Boles et al. |                             |
|  | Docket Number<br>068354.1471  | Group Art Unit<br>2111             | Filing Date<br>June 1, 2001 |

## U.S. PATENT DOCUMENTS

|  |    | DOCUMENT NO. | DATE     | NAME             | CLASS | SUBCLASS | FILING DATE |
|--|----|--------------|----------|------------------|-------|----------|-------------|
|  | A. | 3771146      | 11/6/73  | Cotton et al.    | 710   | 260      | 1/22/73     |
|  | B. | 3781810      | 12/25/73 | Downing          | 340   | 172.5    | 4/26/72     |
|  | C. | 3886524      | 5/27/75  | Appelt           | 710   | 110      | 10/18/73    |
|  | D. | 4025771      | 5/24/77  | Lynch et al.     | 708   | 521      | 3/25/74     |
|  | E. | 4074353      | 2/14/78  | Woods et al.     | 710   | 264      | 3/24/76     |
|  | F. | 4090250      | 5/16/78  | Carlson et al.   | 712   | 234      | 9/30/76     |
|  | G. | 4323981      | 4/6/82   | Nakamura         | 364   | 749      | 10/23/78    |
|  | H. | 4379338      | 4/5/83   | Nishitani et al. | 708   | 552      | 11/21/80    |
|  | I. | 4398244      | 8/9/83   | Chu et al.       | 364   | 200      | 5/7/80      |
|  | J. | 4408274      | 10/4/83  | Wheatley et al.  | 364   | 200      | 9/29/80     |
|  | K. | 4451885      | 5/29/84  | Gerson et al.    | 708   | 200      | 3/1/82      |
|  | L. | 4472788      | 9/18/84  | Yamazaki         | 364   | 900      | 8/27/81     |
|  | M. | 4481576      | 11/6/84  | Bicknell         | 364   | 200      | 3/19/82     |
|  | N. | 4488252      | 12/11/84 | Vassar           | 364   | 748      | 2/22/82     |
|  | O. | 4511990      | 4/16/85  | Hagiwara et al.  | 364   | 748      | 10/15/81    |
|  | P. | 4556938      | 12/3/85  | Parker et al.    | 364   | 200      | 2/22/82     |

## FOREIGN PATENT DOCUMENTS

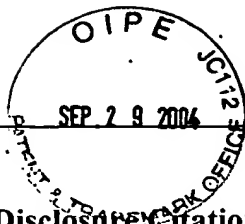
|  |    | DOCUMENT NO. | DATE     | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|--|----|--------------|----------|---------|-------|----------|-------------|----|
|  |    |              |          |         |       |          | YES         | NO |
|  | Q. | 01037424 A   | 2/89     | JP      |       |          |             |    |
|  | R. | 0 554 917 A2 | 8/11/93  | EP      |       |          |             |    |
|  | S. | 0 855 643 A1 | 7/29/98  | EP      |       |          |             |    |
|  | T. | 0 992 888    | 12/4/00  | EP      |       |          |             |    |
|  | U. | 0 992 889    | 12/14/00 | EP      |       |          |             |    |

## NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages)

|    |  |          |
|----|--|----------|
| V. | Moon B I et al.: "A 32-bit RISC Microprocessor with DSP Functionality: Rapid Prototyping" IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, Institute of Electronics Information and Comm. Eng. Tokyo, JP, vol. E84-A no. 5, pages 1339-1347, XP001060025 ISSN: 0916-8508 | 5/2001   |
| W. | Turley J: "Balancing Conflicting Requirements When Mixing RISC, DSPs" Computer Design, Pennwell Publ. Littleton, Massachusetts, IS, vol. 37, no. 10, pages 46, 48, 50-53, XP000860706 ISSN: 0010-4566  | 10/1998  |
| X. | Levy M: "Microprocessor and DSP Technologies Unite for Embedded Applications" EDN Electrical Design News, Cahners Publishing Co., Newtown Massachusetts, US, no. Europe, pages 73-74, 76, 78-80, XP000779113 ISSN: 0012-7515   | 3/2/1998 |

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|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.



|  |                 |                    |              |
|--|-----------------|--------------------|--------------|
| PTO-1449   | Application No. | Applicant(s)       |              |
|  | 09/870,447      | Brian Boles et al. |              |
| <b>Information Disclosure Citation<br/>in an Application</b> | Docket Number   | Group Art Unit     | Filing Date  |
|  | 068354.1471     | 2111               | June 1, 2001 |

## U.S. PATENT DOCUMENTS

|  |    | DOCUMENT NO. | DATE     | NAME               | CLASS | SUBCLASS | FILING DATE |
|--|----|--------------|----------|--------------------|-------|----------|-------------|
|  | A. | 4626988      | 12/2/86  | George             | 364   | 200      | 3/7/83      |
|  | B. | 4730248      | 3/8/88   | Watanabe et al.    | 364   | 200      | 8/30/84     |
|  | C. | 4742479      | 5/3/88   | Kloker et al.      | 364   | 746      | 3/25/85     |
|  | D. | 4768149      | 8/30/88  | Konopik et al.     | 364   | 200      | 8/29/85     |
|  | E. | 4779191      | 10/18/88 | Greenblatt         | 711   | 2        | 4/12/85     |
|  | F. | 4782457      | 11/1/88  | Cline              | 364   | 715.04   | 8/18/86     |
|  | G. | 4800524      | 1/24/89  | Roesgen            | 364   | 900      | 12/2/87     |
|  | H. | 4807172      | 2/21/89  | Nukiyama           | 364   | 715.08   | 2/17/87     |
|  | I. | 4829420      | 5/9/89   | Stahle             | 364   | 200      | 6/29/87     |
|  | J. | 4829460      | 5/9/89   | Ito                | 364   | 715.08   | 10/14/87    |
|  | K. | 4839846      | 6/13/89  | Hirose et al.      | 364   | 748      | 3/12/86     |
|  | L. | 4841468      | 6/20/89  | Miller et al.      | 708   | 625      | 3/20/87     |
|  | M. | 4872128      | 10/3/89  | Shimizu            | 364   | 715.08   | 2/17/88     |
|  | N. | 4882701      | 11/21/89 | Ishii              | 364   | 900      | 9/23/88     |
|  | O. | 4926371      | 5/15/90  | Vassiliadis et al. | 708   | 628      | 12/28/88    |
|  | P. | 4941120      | 7/10/90  | Brown et al.       | 364   | 748      | 4/17/89     |
|  | Q. | 4943940      | 7/24/90  | New                | 364   | 748      | 9/27/84     |
|  | R. | 4959776      | 9/25/90  | Deerfield et al.   | 364   | 200      | 12/5/88     |
|  | S. | 4977533      | 12/11/90 | Miyabayashi et al. | 364   | 726      | 10/10/89    |
|  | T. | 4984213      | 1/8/91   | Abdoo et al        | 365   | 230.03   | 2/21/89     |

## FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT NO. | DATE    | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|--|----|--------------|---------|---------|-------|----------|-------------|----|
|  |    |              |         |         |       |          | YES         | NO |
|  | U. | 96/11443     | 4/18/96 | wo      |       |          | x           |    |
|  | V. |              |         |         |       |          |             |    |

## NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages)

|  |    |  |         |
|--|----|--|---------|
|  | W. | Intel, Pentium Processor Family Developer's Manual, Volume 3: Architecture and Programming Manual, , Pages 3-1, 3-2, 3-15, 14-1 to 14-30, 18-7, and 25-289 to 25-292 | 1995    |
|  | X. | Intel, Embedded Intel486 Processor Family Developer's Manual, pgs. 2-2, 3-17, 3-37, 4-5, 4-6, 10-1 to 10-12, 12-1 to 12-10   | 10/1997 |
|  | Y. | Moore, M "Z80 Family Interrupt Structure". Barleywood (online), retrieved from the internet<br><URL: http://www.gaby.de/z80/1653.htm>                                | 1997    |

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| PTO-1449<br><br><b>Information Disclosure Citation<br/>in an Application</b> | Application No.<br>09/870,447 | Applicant(s)<br>Brian Boles et al. |                             |
|  | Docket Number<br>068354.1471  | Group Art Unit<br>2111             | Filing Date<br>June 1, 2001 |
|  |                               |                                    |                             |

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|--|----|--------------|----------|--------------------|-------|----------|-------------|
|  | A. | 5007020      | 4/9/91   | Inskeep            | 364   | 900      | 5/7/90      |
|  | A. | 5012441      | 4/30/91  | Retter             | 364   | 900      | 11/24/86    |
|  | B. | 5032986      | 7/16/91  | Pathak et al.      | 364   | 200      | 9/22/89     |
|  | C. | 5034887      | 7/23/91  | Yasui et al.       | 364   | 200      | 7/27/90     |
|  | D. | 5038310      | 8/6/91   | Akagiri et al.     | 364   | 715.04   | 4/19/90     |
|  | E. | 5040178      | 8/13/91  | Lindsay et al.     | 371   | 21.5     | 5/12/89     |
|  | F. | 5056004      | 10/8/91  | Ohde et al.        | 264   | 200      | 10/14/88    |
|  | G. | 5099445      | 3/24/92  | Studor et al.      | 364   | 715.08   | 12/26/89    |
|  | H. | 5101484      | 3/31/92  | Kohn               | 395   | 375      | 2/14/89     |
|  | I. | 5117498      | 5/26/92  | Miller et al.      | 395   | 775      | 9/19/90     |
|  | J. | 5121431      | 6/9/92   | Wiener             | 713   | 174      | 7/2/90      |
|  | K. | 5122981      | 6/16/92  | Taniguchi          | 364   | 748      | 3/23/89     |
|  | L. | 5155823      | 10/13/92 | Tsue               | 395   | 400      | 4/17/89     |
|  | M. | 5177373      | 1/5/93   | Nakamura           | 307   | 265      | 9/27/91     |
|  | N. | 5197023      | 3/23/93  | Nakayama           | 364   | 748      | 10/31/91    |
|  | O. | 5197140      | 3/23/93  | Balmer             | 395   | 400      | 11/17/89    |
|  | P. | 5206940      | 4/27/93  | Murakami et al.    | 395   | 400      | 8/27/91     |
|  | Q. | 5212662      | 5/18/93  | Cocanougher et al. | 364   | 748      | 9/11/90     |
|  | R. | 5239654      | 8/24/93  | Ing-Simmons et al. | 395   | 800      | 11/17/89    |
|  | S. | 5276634      | 1/4/94   | Suzuki et al.      | 364   | 748      | 8/20/91     |
|  | B. | 5282153      | 1/25/94  | Bartkowiak et al.  | 364   | 716      | 4/6/93      |
|  | T. | 5327543      | 7/5/94   | Miura et al.       | 395   | 375      | 4/23/90     |

## FOREIGN PATENT DOCUMENTS

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|--|----|--------------|------|---------|-------|----------|-------------|----|
|  |    |              |      |         |       |          | YES         | NO |
|  | C. |              |      |         |       |          |             |    |

## NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages)

|  |    |  |                   |
|--|----|--|-------------------|
|  | D. | PCT Search Report based on PCT/US02/16706, 6 pages | Mailed<br>9/27/02 |
|  | U. | PCT Search Report based on PCT/US02/16705, 7 pages | Mailed<br>9/9/02  |

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|----|--|--------------|----------|-------------------|-------|----------|-------------|
| A. |  | 5327566      | 7/5/94   | Forsyth           | 395   | 775      | 7/12/91     |
| B. |  | 5375080      | 12/20/94 | Davies            | 364   | 736.5    | 12/18/92    |
| C. |  | 5379240      | 1/3/95   | Byrne             | 364   | 715.08   | 3/8/93      |
| D. |  | 5392435      | 2/21/95  | Masui et al.      | 395   | 725      | 9/29/93     |
| E. |  | 5418976      | 5/23/95  | Iida              | 395   | 800      | 12/21/92    |
| F. |  | 5422805      | 6/6/95   | McIntyre et al.   | 708   | 625      | 10/21/92    |
| G. |  | 5432943      | 7/11/95  | Mitsuishi         | 395   | 725      | 4/19/93     |
| H. |  | 5448703      | 9/5/95   | Amini et al.      | 395   | 290      | 5/28/93     |
| I. |  | 5448706      | 9/5/95   | Fleming et al.    | 395   | 421.07   | 5/13/92     |
| J. |  | 5463749      | 10/31/95 | Wertheizer et al. | 395   | 437      | 1/13/93     |
| K. |  | 5469377      | 11/21/95 | Amano             | 364   | 748      | 8/18/93     |
| L. |  | 5471600      | 11/28/95 | Nakamoto          | 395   | 405      | 2/22/95     |
| M. |  | 5497340      | 3/5/96   | Uramoto et al.    | 364   | 745      | 6/14/93     |
| N. |  | 5499380      | 3/12/96  | Iwata et al.      | 395   | 800      | 5/18/04     |
| O. |  | 5504916      | 4/2/96   | Murakami et al.   | 395   | 800      | 9/28/93     |
| P. |  | 5517436      | 5/14/96  | Andreas et al.    | 364   | 736      | 6/7/94      |
| Q. |  | 5525874      | 6/11/96  | Mallarapu et al.  | 318   | 254      | 1/30/95     |
| R. |  | 5548544      | 8/20/96  | Matheny et al.    | 364   | 745      | 10/14/94    |
| S. |  | 5561619      | 10/1/96  | Watanabe et al.   | 364   | 736.5    | 9/20/94     |
| T. |  | 5564028      | 10/8/96  | Swoboda et al.    | 395   | 375      | 1/11/94     |
| U. |  | 5568380      | 10/22/96 | Broadnax et al.   | 364   | 184      | 8/30/93     |
| V. |  | 5568412      | 10/22/96 | Han et al.        | 364   | 748      | 11/29/94    |

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|    |  | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
|----|--|--------------|------|---------|-------|----------|-------------|----|
|    |  |              |      |         |       |          | YES         | NO |
| W. |  |              |      |         |       |          |             |    |
| X. |  |              |      |         |       |          |             |    |

## NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages)

|    |  |                    |
|----|--|--------------------|
| Y. | PCT Search Report based on PCT/US02/16921, 4 pages | Mailed<br>10/18/02 |
| Z. |  |                    |

|          |                 |
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|----|--------------|----------|-----------------|-------|----------|-------------|
| A. | 5596760      | 1/21/97  | Ueda            | 395   | 588      | 12/9/92     |
| B. | 5600813      | 2/4/97   | Nakagawa et al. | 395   | 421.07   | 2/9/93      |
| C. | 5611061      | 3/11/97  | Yasuda          | 395   | 591      | 11/24/93    |
| D. | 5619711      | 4/8/97   | Anderson        | 395   | 800      | 6/29/94     |
| E. | 5638524      | 6/10/97  | Kiuchi et al.   | 395   | 375      | 5/17/95     |
| F. | 5642516      | 6/24/97  | Hedayat et al.  | 395   | 733      | 10/14/94    |
| G. | 5649146      | 7/15/97  | Riou            | 395   | 421.07   | 3/30/95     |
| H. | 5651121      | 7/22/97  | Davies          | 395   | 376      | 12/18/92    |
| I. | 5657484      | 8/12/97  | Scarrá          | 395   | 561      | 12/27/94    |
| J. | 5659700      | 8/19/97  | Chen et al.     | 395   | 421.07   | 2/14/95     |
| K. | 5682339      | 10/28/97 | Tam             | 364   | 715.08   | 5/26/95     |
| L. | 5689693      | 11/18/97 | White           | 395   | 565      | 4/26/94     |
| M. | 5694350      | 12/2/97  | Wolrich et al.  | 364   | 788      | 6/30/95     |
| N. | 5696711      | 12/9/97  | Makineni        | 364   | 748.03   | 12/22/95    |
| O. | 5706460      | 1/6/98   | Craig et al.    | 395   | 380      | 3/19/91     |
| P. | 5706466      | 1/6/98   | Dockser         | 395   | 452      | 1/13/95     |
| Q. | 5715470      | 2/3/98   | Asano et al.    | 395   | 800      | 9/27/93     |
| R. | 5737570      | 4/7/98   | Koch            | 395   | 872      | 4/28/97     |
| S. | 5740095      | 4/14/98  | Parant          | 364   | 760      | 7/12/95     |
| T. | 5740419      | 4/14/98  | Potter          | 395   | 588      | 7/22/96     |
| U. | 5740451      | 4/14/98  | Muraki et al.   | 395   | 733      | 10/28/96    |

## FOREIGN PATENT DOCUMENTS

|    | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
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| V. |              |      |         |       |          |             |    |
| W. |              |      |         |       |          |             |    |

## NON-PATENT DOCUMENTS - DOCUMENT (Including Author, Title, Source, and Pertinent Pages)

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|  |                               |                                    |                             |
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| PTO-1449<br><br><b>Information Disclosure Citation<br/>in an Application</b> | Application No.<br>09/870,447 | Applicant(s)<br>Brian Boles et al. |                             |
|  | Docket Number<br>068354.1471  | Group Art Unit<br>2111             | Filing Date<br>June 1, 2001 |
|  |                               |                                    |                             |

## U.S. PATENT DOCUMENTS

|    |  | DOCUMENT NO. | DATE     | NAME              | CLASS | SUBCLASS | FILING DATE |
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| A. |  | 5748516      | 5/5/98   | Goddard et al.    | 364   | 748.03   | 9/26/95     |
| B. |  | 5748970      | 5/5/98   | Miyaji et al.     | 395   | 733      | 4/30/96     |
| C. |  | 5764555      | 6/9/98   | McPherson et al.  | 364   | 748.03   | 3/13/96     |
| D. |  | 5765216      | 6/9/98   | Weng et al.       | 711   | 214      | 6/17/96     |
| E. |  | 5765218      | 6/9/98   | Ozawa et al.      | 711   | 219      | 3/10/95     |
| F. |  | 5774711      | 6/30/98  | Henry et al.      | 395   | 591      | 7/26/96     |
| G. |  | 5778416      | 7/7/98   | Harrison et al.   | 711   | 5        | 4/3/97      |
| H. |  | 5790443      | 8/4/98   | Shen et al.       | 364   | 746      | 3/19/96     |
| I. |  | 5808926      | 9/15/98  | Gorshtein et al.  | 364   | 748.11   | 9/24/96     |
| J. |  | 5812439      | 9/22/98  | Hansen            | 364   | 748.03   | 10/10/95    |
| K. |  | 5812868      | 9/22/98  | Moyer et al.      | 395   | 800.23   | 9/16/96     |
| L. |  | 5825730      | 10/20/98 | Nishida et al.    | 369   | 44.32    | 3/8/96      |
| M. |  | 5826072      | 10/20/98 | Knapp et al.      | 395   | 567      | 11/13/95    |
| N. |  | 5826096      | 10/20/98 | Baxter            | 395   | 800.24   | 5/19/95     |
| O. |  | 5828875      | 10/27/98 | Halvarsson et al. | 395   | 588      | 5/29/97     |
| P. |  | 5862065      | 1/19/99  | Muthusamy         | 364   | 736.5    | 2/13/97     |
| Q. |  | 5867726      | 2/2/99   | Ohsuga et al.     | 395   | 800.32   | 4/10/96     |
| R. |  | 5875342      | 2/23/99  | Temple            | 395   | 733      | 6/3/97      |
| S. |  | 5880984      | 3/9/99   | Burchfiel et al.  | 364   | 748.07   | 1/13/97     |
| T. |  | 5892697      | 4/6/99   | Brakefield        | 364   | 748.02   | 12/19/95    |
| U. |  | 5892699      | 4/6/99   | Duncan et al.     | 364   | 760.4    | 9/16/97     |
| V. |  | 5894428      | 4/13/99  | Harada            | 364   | 724.03   | 7/28/97     |

## FOREIGN PATENT DOCUMENTS

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| PTO-1449<br><br><b>Information Disclosure Citation<br/>in an Application</b> | Application No. | Applicant(s)       |              |
|  | 09/870,447      | Brian Boles et al. |              |
|  | Docket Number   | Group Art Unit     | Filing Date  |
|  | 068354.1471     | 2111               | June 1, 2001 |

## U.S. PATENT DOCUMENTS

|    |  | DOCUMENT NO. | DATE     | NAME             | CLASS | SUBCLASS | FILING DATE |
|----|--|--------------|----------|------------------|-------|----------|-------------|
| A. |  | 5900683      | 5/4/99   | Rinehart et al.  | 307   | 126      | 12/23/97    |
| B. |  | 5909385      | 6/1/99   | Nishiyama et al. | 364   | 760.03   | 4/1/97      |
| C. |  | 5917741      | 6/29/99  | Ng               | 364   | 748.03   | 8/29/96     |
| D. |  | 5918252      | 6/29/99  | Chen et al.      | 711   | 217      | 11/25/96    |
| E. |  | 5930159      | 7/27/99  | Wong             | 364   | 745.01   | 10/17/96    |
| F. |  | 5930503      | 7/27/99  | Drees            | 395   | 651      | 12/29/95    |
| G. |  | 5936870      | 8/10/99  | Im, Jin Hyeock   | 364   | 745.03   | 8/15/97     |
| H. |  | 5937199      | 8/10/99  | Temple           | 395   | 335      | 6/3/97      |
| I. |  | 5938759      | 8/17/99  | Kamijo           | 712   | 209      | 12/19/97    |
| J. |  | 5941940      | 8/24/99  | Prasad et al.    | 708   | 523      | 6/30/97     |
| K. |  | 5943249      | 8/24/99  | Handlogten       | 364   | 748.02   | 4/25/97     |
| L. |  | 5944816      | 8/31/99  | Dutton et al.    | 712   | 215      | 5/17/96     |
| M. |  | 5951627      | 9/14/99  | Kiamilev et al.  | 708   | 404      | 11/14/96    |
| N. |  | 5951679      | 9/14/99  | Anderson, et al. | 712   | 241      | 10/31/97    |
| O. |  | 5978825      | 11/2/99  | Divine et al.    | 708   | 525      | 11/14/97    |
| P. |  | 5983333      | 11/9/99  | Kolagotia et al. | 711   | 219      | 8/27/97     |
| Q. |  | 5991787      | 11/23/99 | Abel et al.      | 708   | 400      | 12/31/97    |
| R. |  | 5991868      | 11/23/99 | Kamiyama et al.  | 712   | 32       | 5/19/94     |
| S. |  | 5996067      | 11/30/99 | White            | 712   | 224      | 10/28/97    |
| T. |  | 6009454      | 12/28/99 | Dummermuth       | 709   | 108      | 11/10/97    |

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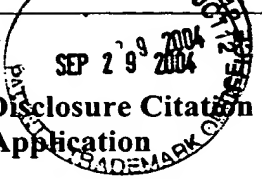
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| <b>PTO-1449</b><br><br><b>Information Disclosure Citation<br/>in an Application</b> |  |  |  | Application No.    |  | Applicant(s) |  |
|   |  | 09/870,447   |  | Brian Boles et al. |  |              |  |
|   |  | Docket Number  |  | Group Art Unit     |  | Filing Date  |  |
|   |  | 068354.1471  |  | 2111               |  | June 1, 2001 |  |

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|-----------------------|--------------|----------|----------------------|-------|----------|-------------|--|
|                       | DOCUMENT NO. | DATE     | NAME                 | CLASS | SUBCLASS | FILING DATE |  |
| A.                    | 6014723      | 1/11/00  | Tremblay et al.      | 711   | 1        | 1/23/97     |  |
| B.                    | 6018757      | 1/25/00  | Wong                 | 708   | 525      | 8/8/96      |  |
| C.                    | 6026489      | 2/15/00  | Wachi et al.         | 712   | 241      | 4/26/95     |  |
| D.                    | 6044392      | 3/28/00  | Anderson et al.      | 708   | 551      | 8/4/97      |  |
| E.                    | 6044434      | 3/28/00  | Oliver               | 711   | 110      | 9/24/97     |  |
| F.                    | 6049858      | 4/11/00  | Kolagotia et al.     | 711   | 217      | 8/27/97     |  |
| G.                    | 6058409      | 5/2/00   | Kozaki et al.        | 708   | 409      | 8/5/97      |  |
| H.                    | 6058410      | 5/2/00   | Sharangpani          | 708   | 551      | 12/2/96     |  |
| I.                    | 6058464      | 5/2/00   | Taylor               | 711   | 217      | 7/9/96      |  |
| J.                    | 6061711      | 5/9/00   | Song et al.          | 709   | 108      | 8/19/96     |  |
| K.                    | 6061780      | 5/9/00   | Shippy et al.        | 712   | 204      | 1/23/98     |  |
| L.                    | 6061783      | 5/9/00   | Harriman             | 712   | 224      | 11/13/96    |  |
| M.                    | 6076154      | 6/13/00  | Van Eijndhoven et al | 712   | 24       | 1/16/98     |  |
| N.                    | 6084880      | 7/4/00   | Bailey et al.        | 370   | 395      | 6/30/97     |  |
| O.                    | 6101521      | 8/8/00   | Kosiec               | 708   | 550      | 3/25/98     |  |
| P.                    | 6101599      | 8/8/00   | Wright et al.        | 712   | 228      | 6/29/98     |  |
| Q.                    | 6115732      | 9/5/00   | Oberman et al.       | 708   | 625      | 5/8/98      |  |
| R.                    | 6128728      | 10/3/00  | Dowling              | 712   | 228      | 12/12/97    |  |
| S.                    | 6134574      | 10/17/00 | Oberman et al.       | 708   | 551      | 5/8/98      |  |
| T.                    | 6144980      | 11/7/00  | Oberman              | 708   | 627      | 1/28/98     |  |
| U.                    | 6145049      | 11/7/00  | Wong                 | 710   | 267      | 12/29/97    |  |
| V.                    | 6181151      | 1/30/01  | Wasson               | 324   | 765      | 10/28/98    |  |

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|                          | DOCUMENT NO. | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION |    |
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| PTO-1449<br><br><b>Information Disclosure Citation<br/>in an Application</b> | Application No.<br>09/870,447 | Applicant(s)<br>Brian Boles et al. |                             |
|  | Docket Number<br>068354.1471  | Group Art Unit<br>2111             | Filing Date<br>June 1, 2001 |
|  |                               |                                    |                             |

## U.S. PATENT DOCUMENTS

|    | DOCUMENT NO. | DATE     | NAME               | CLASS | SUBCLASS | FILING DATE |
|----|--------------|----------|--------------------|-------|----------|-------------|
| A. | 6205467      | 3/20/01  | Lambrech et al.    | 709   | 108      | 11/14/95    |
| B. | 6209086      | 3/27/01  | Chi et al.         | 712   | 244      | 11/10/98    |
| C. | 6243786      | 6/5/01   | Huang et al.       | 710   | 262      | 12/23/98    |
| D. | 6243804      | 6/5/01   | Cheng              | 712   | 228      | 7/22/98     |
| E. | 6260162      | 7/10/01  | Typaldos et al.    | 714   | 55       | 10/31/98    |
| F. | 6292866      | 9/18/01  | Zaiki et al.       | 710   | 264      | 3/30/99     |
| G. | 6295574      | 9/25/01  | MacDonald          | 710   | 261      | 1/20/00     |
| H. | 6315200      | 11/13/01 | Silverbrook et al. | 235   | 454      | 7/10/98     |
| I. | 6356970      | 3/12/02  | Killian et al.     | 710   | 269      | 5/28/99     |
| J. | 6377619      | 4/23/02  | Denk et al.        | 375   | 232      | 9/26/97     |
| K. | 6397318      | 5/28/02  | Peh                | 711   | 220      | 4/2/98      |
| L. | 6412081      | 6/25/02  | Koscal et al.      | 714   | 34       | 1/15/99     |
| M. | 6487654      | 11/26/02 | Dowling            | 712   | 244      | 12/12/01    |
| N. | 2002/0194466 | 12/19/02 | Catherwood et al.  | 712   | 241      | 6/1/01      |
| O. | 6523108      | 2/18/03  | James et al.       | 712   | 224      | 11/23/99    |
| P. | 6564238      | 5/13/03  | Kim et al.         | 708   | 513      | 2/2/00      |
| Q. | 2003/0093656 | 5/15/03  | Masse et al.       | 712   | 241      | 10/1/99     |
| R. | 6633970      | 10/14/03 | Clift et al.       | 712   | 217      | 12/28/99    |
| S. | 6658578      | 12/2/03  | Laurenti et al.    | 713   | 324      | 10/1/99     |
| T. | 6681280      | 1/20/04  | Miyake et al.      | 710   | 261      | 10/4/00     |
| U. | 6763478      | 7/13/04  | Vinh X. Bui        | 713   | 600      | 10/24/00    |

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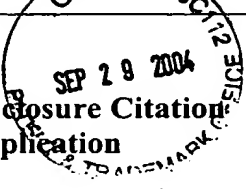
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| V. |              |      |         |       |          |             |    |
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| A.                    | 6751742      | 6/15/04 | Duhault et al.   | 713   | 323      | 8/31/99     |  |
| B.                    | 6202163      | 3/13/01 | Gabzdyl et al.   | 713   | 324      | 3/10/98     |  |
| C.                    | 5815693      | 9/29/98 | McDermott et al. | 713   | 501      | 12/15/95    |  |
| D.                    | 5778237      | 7/7/98  | Yamamoto et al.  | 713   | 322      | 12/14/95    |  |
| E.                    | 4615005      | 9/30/86 | Maejima et al.   | 713   | 601      | 7/20/84     |  |
| F.                    |              |         |                  |       |          |             |  |
| G.                    |              |         |                  |       |          |             |  |
| H.                    |              |         |                  |       |          |             |  |
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